AUTHOR INDEX

Acquaye, D. K., *see* Smith, R. W.
Anthony, K. R. M., factors affecting crop production in the Wadi Hadhramaut, 167–74.
Attwood, A. E., some economic aspects of agricultural research, 376–82.

Barua, S. C., growth rate of the tea leaf as determined by shade and nutrients, 127–36.
Bock, K. R., control of Coffee Berry Disease in Kenya, 97–107.
Bolle-Jones, E. W., mineral-deficiency symptoms of the Sweet Potato, 60–64.
Bowden, B. N., studies on *Andropogon gayanus* Kunth. I. Use of *A. gayanus* inagriculture, 267–73.
Bredon, R. M., management studies with *Panicum maximum* in Uganda. II. Effect of cutting interval and nitrogen fertilizer on chemical composition and nutritive value, 343–50; *see also* Horrell, C. R.
Brown, P., maize growing in Nyasaland. I. Distribution and cultivation, 71–82.
Butterworth, M. H., the use of surplus bananas for pig feeding in the West Indies, 14–18.

Clarke, R. T., control of Coffee Berry Disease in Kenya by seasonal fungicidal sprays, 327–33.

Danasoury, M. S., *see* Osman, H. Elsayed.
Dovrat, A., *see* Hagin, J.
Dubetz, S., *see* Wilson, D. B.

Eden, T., a factorial experiment on coconuts, 283–95.
Evans, G., seed rates of grasses for seed production. III. Early perennial ryegrass, 34–40.

Fayemi, A. A., effect of plant population and spacing on the yield of maize in the humid tropics, 371–5.
Foster, L. J., effects of shade and irrigation on soil-moisture utilization under coffee in Nyasaland, 108–14.

Gilchrist, R. C. J. H., *see* Wight, W.
Goldsworthy, P. R., fertilizer trials with groundnuts in Northern Nigeria, 351–66.
Gower, J. C., *see* Eden, T.

Hagin, J., methods for determination of available soil potassium, 186–8.
Hammerton, J. L., effects of soil-aggregate size on the emergence and growth of beet (*Beta vulgaris* L.). III. Seedling growth, 83–96; IV. Post-singling growth, 199–204.
Harker, K. W., the weighing of Zebu bullocks in grazing experiments, 311–16.
Heathcote, R., *see* Goldsworthy, P. R.
Horrell, C. R., management studies with *Panicum maximum* in Uganda. I. Effect of cutting interval and nitrogen fertilizer on yield, 334–42; *see also* Bredon, R. M.
Houghton, T. R., *see* Butterworth, M. H.

Ibbotson, C. F., effect of additions of magnesian limestone and magnesium oxide on silage quality, 259–66.
Ismunadji, M., *see* Bolle-Jones, E. W.

Jaiyebo, E. O., *see* Moore, A. W.
Jones, P. A., a tillage study in Kenya coffee. III. Long-term effects of tillage practices upon yield and growth of coffee, 243–54.
Joy, J. L., *see* Lea, J. D.

Kamar, G. A. R., efficiency of food utilization by pure-bred and cross-bred broilers in the subtropics, 19–26.

Lea, J. D., development of modern arable farming in Uganda, 137–51.

Mainstone, B. J., manuring of Hevea: effects of 'triple' superphosphate on transplanted stumps in Nigeria, 53–59; VI. Long-term manuring effects with special reference to phosphorus, in one of the Dunlop (Malaya) experiments, 175–85; residual effects of ground-cover and of continuity of nitrogen fertilizer treatments, applied prior to tapping, on the yield and growth of *Hevea brasiliensis*, 213–25; effects of nitrogen and phosphorus fertilizers on *Hevea brasiliensis* when applied after commencement of tapping, 226–42.
Moore, A. W., influence of cover on nitrate and nitrifiable nitrogen content of the soil in a tropical rain forest environment, 189–98.
Mostageer, A., *see* Kamar, G. A. R.

Norris, D. D., porcelain-bead method for storing Rhizobium, 255–8.

Osman, H. Elsayed, nutritive value of Berseem (*Medicago sativa*) under Sudan conditions, 27–33.

Rose Innes, R., behaviour of free-grazing cattle in the West African humid tropics: studies on a herd of West African Shorthorns on the Accra Plains, Ghana, 1. Rainy season, 1–13.

Salgado, M. L. M., *see* Eden, T.
Sen, A. R., use of pretreatment data in designing experiments on tea, 41–49; some

techniques of experimentation with clonal tea based on a uniformity trial, 296–310.
Singh, A., a critical evaluation of green-manuring experiments on sugar cane in north India, 205–12.
Smith, R. W., fertilizer responses on peasant cocoa farms in Ghana: a factorial experiment, 115–23.

Tahir, W. M., maize introduction and breeding at Tozi, Sudan, 152–60.
Tewari, G. P., effects of soil sterilization and some mineral nutrients on commercial strains of Cowpea Rhizobium in Western Nigeria, 50–52.
Tucker, D. H., preliminary results of long-term citrus fertility trials in the Stann Creek District of British Honduras, 367–70.
Trail, J. C. M., the indigenous poultry of Uganda. I. Growth rates and food consumption compared with European breeds, 317–22; II. Egg production, 323–6.
Troughton, A., root weight under swards of equal age in successive years, 274–81.

Wahhab, A., manuring of cotton in West Pakistan. VI. Effect of time and method of application of increasing rates of nitrogen on the yield of seed cotton, 65–70.
Wallis, J. A. N., *see* Jones, P. A.
Wight, J., *see* Wight, W.
Wight, W., colour and quality of a tea leaf, 124–6.
Williamson, J. G., *see* Clarke, R. T.
Wilson, D. B., effects of fertilizers on an irrigated pasture in Southern Alberta, 161–6.
Wood, R. A., *see* Foster, L. J.

SUBJECT INDEX

Australia, *see* Rhizobium.

Bananas, *see* pigs.
Berseem (*Medicago sativa*): nutritive value, in Sudan, 27–33.
British Honduras, *see* citrus.

Canada, *see* grasses.
Cattle: West African Shorthorns, free-grazing, behaviour in rainy season on Accra Plains, Ghana, 1–13; Zebu bullocks, weighing of, in grazing experiments, 311–16.
Ceylon, *see* coconuts.
Chickens: broilers, food utilization, in Egypt, 19–26; indigenous poultry of Uganda, comparison with European breeds, growth rates and food consumption, 317–22; and egg production, 323–6.
Citrus: fertilizer experiments, in British Honduras, 367–70.
Cocoa: fertilizer responses, on peasant farms, in Ghana, 115–23.
Coconuts: fertilizer experiments, in Ceylon, 283–95.
Coffee: Coffee Berry Disease, control, in Kenya, 97–107 and 327–33; soil moisture utilization by, effects of shade and irrigation, in Nyasaland, 108–14; tillage practices, long-term effects on yield and growth, 243–54.
Cotton: manuring of, nitrogen, effect of time and method of application on yield, in West Pakistan, 65–70.
Cowpeas: Rhizobium, effects of soil sterilization and mineral nutrients, in Western Nigeria, 50–52.

Diseases and pests of plants, *see* Coffee Berry disease.

Egypt, *see* chickens.
Experimental techniques, *see* tea.

Fodder crops and feeding stuffs, *see* Berseem, grasses, pigs, silage.

Ghana, *see* cattle, cocoa.
Grasses: for seed production, seed rates, early perennial ryegrass S. 24, 34–40; irrigated pasture, effect of fertilizers, in southern Alberta, 161–6; *Andropogon gayanus*, use in agriculture, in Uganda, 267–73; roots, under swards of equal age, weights of, 274–81; *Panicum maximum*, in Uganda, management studies, effect of cutting interval and nitrogen on yield, 334–42; and on composition and nutritive value, 343–50.
Groundnuts: fertilizer trials, in Northern Nigeria, 351–66.

Hevea, manuring of: superphosphate, on transplanted stumps, in Nigeria, 53–59; long-term effects, in Malaya, 175–85; nitrogen treatments, applied prior to tapping, and ground cover, residual effects on yield and growth, 213–25; nitrogen and phosphorus, effects when applied after start of tapping, 226–42.

India, *see* sugar cane, tea.
Indonesia, *see* Sweet Potato.

Kenya, *see* coffee.

Land management: development of modern arable farming, in Uganda, 137–51; crop production, in Wadi Hadhramaut, 167–74.

Maize: growing in Nyasaland, distribution and cultivation, 71–82; introduction and breeding, in Sudan, 152–60; plant population and spacing, effect on yield, in humid tropics, 371–5.
Malaya, *see* Hevea.
Manures and fertilizers, *see* citrus, cocoa, coconuts, cotton, cowpeas, grasses, groundnuts, Hevea, sugar cane, tea.

Nigeria, *see* cowpeas, groundnuts, Hevea, maize.
Nyasaland, *see* coffee, maize.

Pakistan, *see* cotton.
Pigs: feeding with surplus bananas, in West Indies, 14–18.
Plant breeding, *see* maize.

Research: agricultural, economic aspects of, 376–82.
Rhizobium: porcelain-bead method for storing, 255–8; *see also* cowpeas.

Silage: additions of magnesian limestone and magnesium oxide, effect on quality, 259–66.
Soils: aggregate size, effect on seedling growth, of beet, 83–96; and on post-singling growth, 199–204; available potassium, determination, 186–8; nitrate and nitrifiable nitrogen content, influence of cover, in a tropical rain forest environment, 189–98; *see also* coffee, cowpeas.
Sudan, *see* Berseem, maize.
Sugar Cane: green manuring experiments, in north India, 205–12.
Sweet Potato: mineral deficiency symptoms, in Indonesia, 60–64.

Tea: designing experiments, use of pretreatment data, 41–49; colour and quality of leaf, 124–6; growth of leaf, effect of shade and nutrients, 127–36; clonal tea, experiments, techniques based on uniformity trial, 296–310.
Trace elements, *see* Sweet Potato.
Uganda, *see* cattle, chickens, grasses, land management.
United Kingdom, *see* grasses, silage.

Wadi Hadhramaut, *see* land management.
West Indies, *see* pigs.